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VC55 Modular Videophone with Web Browser

A Visual Communications Solution for Consumers

8x8's ViaTV™ Modular Videophone with Web Browser is the first digital appliance to combine videophone and web access capability in a single visual communications unit. As a videophone, the ViaTV combines with a camcorder, television and touch-tone phone to deliver full-color, telephone-quality video and audio over standard telephone lines. And the ViaTV Web Browser lets consumers access information on the World Wide Web as well as send and receive e-mail, all without the hassle and bother of a PC.

The ViaTV Modular Videophone with Web Browser consists of a powerful video processing system based on 8x8's Video Communication Processor and a high-performance analog modem. About the size of a VHS video tape, the VC55 blends with other audio/video components. It uses a standard TV as its display and a touch-tone phone serves as the audio and control interface for the unit. The ViaTV Modular Videophone is a stand-alone unit. It does not require a personal computer.

The ViaTV Videophone is the first visual communication product to deliver full-color motion video and audio over standard telephone lines. ViaTV's use of standard telephone lines allows it to be used anywhere a telephone can be, with no additional or special wiring required. And because it uses standard telephone lines, a video call costs exactly the same as a regular local or long distance telephone call.

Because it has three audio/video inputs for its video source, the VC55 provides users with remarkable flexibility. Consumers can use any video accessory with NTSC output as a video source for the VC55, including camcorders, VCRs, document cameras, medical instruments and digital still-image cameras. And because users can switch video sources during a video call, it is easy to interleave presentations, slide shows or prerecorded video tapes with their live video image.

The ViaTV Web Browser is a powerful World Wide Web browser and integrated e-mail application designed to allow consumers easy access to information on the Internet. Because it uses the TV as its display and does not require a PC, the ViaTV Web Browser is the perfect tool for viewing customized stock quotes, news summaries, sports scores, and other information from on-line information services like My Yahoo and Time Warner's Pathfinder Personal Edition.

The Browser's unique look-and-feel and innovative interface are designed to take the complication out of viewing information on the Internet, while providing an entertaining user experience. The Browser supports most current Web standard extensions and image formats, while providing advanced parental controls for blocking objectionable content.



ViaTV
Videophone

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Feature **Benefit**

- | | |
|--------------------------------------|--|
| Three audio/video inputs | • Allows any NTSC video source to provide video for transmission over standard telephone lines |
| Full-color motion video | • Up to 20 fps with adjustable picture resolution and frame rate |
| Easy installation | • Four simple connections are all that's required. No software to load, no special wiring or complicated configuration required. |
| On screen menus | • Simple, intuitive operation |
| Electronic pan/tilt/zoom | • Center the field of view on the object of interest |
| Snapshot | • Take or send a high-resolution still frame picture |
| Input and output audio mixing | • Allows call recording by blending audio from handset with VCR and remote audio |
| Programmable auto answer | • Allows use as unattended video monitor |
| Caller ID | • Displays a caller's phone number on your TV screen |
| H.324 compatible | • Allows ViaTV Phone to interoperate with videophones from other manufacturers |
| Preview mode | • Allows user to see him or herself as remote caller does |
| Privacy mode | • Allows user to halt transmission of video to caller |

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Web Browser

TV Display Optimized

- Proprietary anti-aliasing technology reduces flicker and produces clear, readable text on ordinary television screens

Easy-to-Use User Interface

- Attractive and intuitive user interface designed for Internet novices. In addition to standard browser functions ("back" and "forward," bookmarks,) adds optional innovative features such as:

Magnifying glass – improves viewability of hard-to-see text or graphics (patent pending)

Pop-up compass – eliminates need for mouse or toolbar (patent pending)

Sound effects and themes – completely user configurable

On-screen keyboard

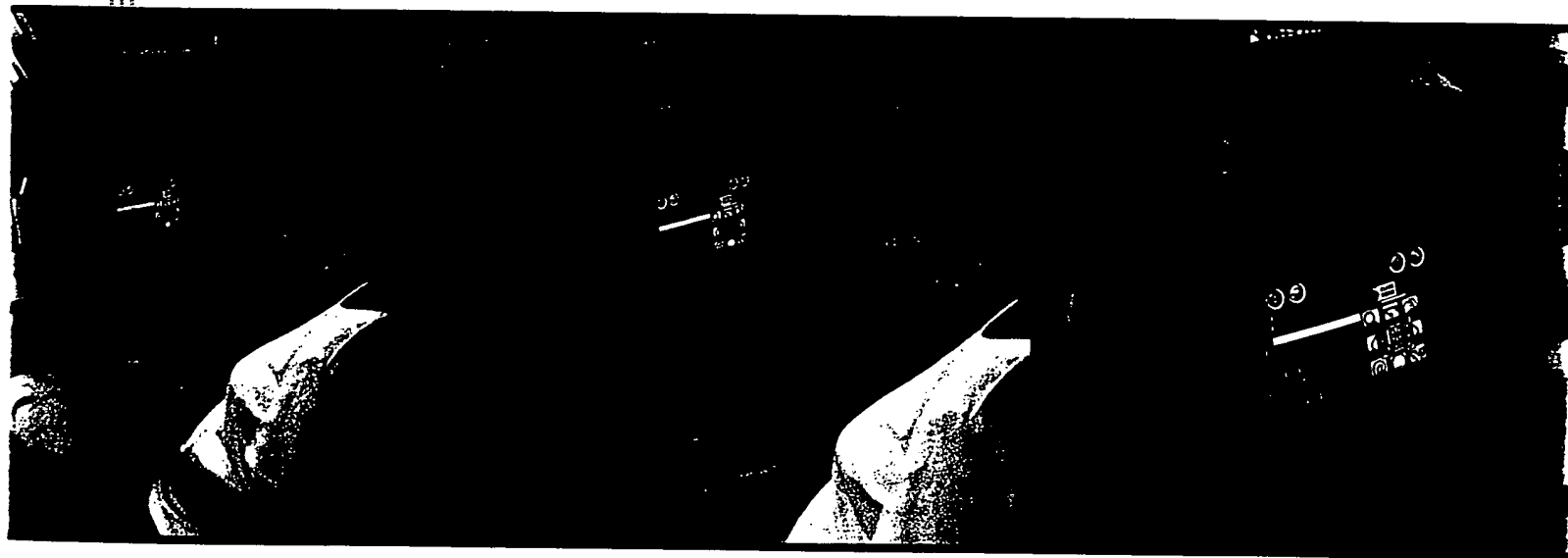
On-screen progress bar

Image Display

- Supports JPEG, GIF (87), animated GIF (89a), XBM.

Audio Playback

- Supports download and playback of WAV, AIFF, AU files.



Parental Control

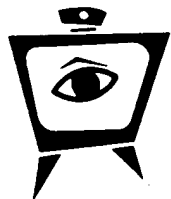
- Proprietary technology (PlanetView) that filters Internet content based on individual parent selections – up to 4 levels in 15 different criteria – without slowing down Web access or restricting ISP selection.

E-mail Client

- Supports POP3 standard electronic mail receive protocol, plus SMTP send protocol (most Internet Service Providers are POP3/SMTP compliant.) Includes address book.

HTML 2.0+

- Support for HTML 2.0 (text size, style and color; background images) plus most 3.0 extensions, including tables, forms, in-line images, text and image alignment.



VC55 Specifications

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Preview

Lets you see yourself as others do



Remote View

Up to 20 frames per second or VHS-quality resolution

Full-screen Display

Fill the TV with full-color video



On-screen Menus

Easy control using the keypad of a touch-tone phone and on screen menus

Power ON Light

Indicates that ViaTV Phone is ready for a video call

Camera ON Light

Indicates when ViaTV Phone is transmitting video

Multiple Audio/Video Inputs

Allows camcorders and digital still-image cameras to be used as video sources

8x8, Inc.

The technology leader in video conferencing

Accessory Port

Supports accessories such as a third camera, speakerphone, printer & more

Video Out

Connect to a TV for display or a VCR for recording video calls

Video In

Connect a second video source here

Line In

Connect to a standard, analog telephone line

Phone Out

Connect touch-tone phone here

Antenna Adapter Out

Connects to antenna adapter to allow display of video calls on TV

Audio In

Connect a second audio source here

Audio Out

Connect to a TV for room-filling audio or a VCR for recording video calls

Power Switch

SYSTEM [ITU-T Standard H.324]

- Signaling H.245
- Channel Multiplexer H.223

VIDEO [ITU-T Standard H.263]

Resolution

- CIF 352 x 288 pixels
- QCIF 176 x 144 pixels
- SQCIF 128 x 96 pixels
- Frame rate, max (SQCIF) 20 fps

Video Inputs

- Front panel Composite (RCA)
- Back panel Composite (RCA)
- Accessory Port DIN connector
- Format NTSC PAL auto detecting

Video Output

- Main monitor Composite
- Format NTSC PAL

AUDIO [ITU-T Standard]

- Frequency response 50 Hz - 3.4 kHz
- Automatic gain control
- Automatic echo suppression

Audio inputs

- Front panel Line level (RCA)
- Rear panel Line level (RCA)
- Accessory Port Line level (DIN connector)

NETWORK INTERFACE

- POTS (Plain Old Telephone Service) RJ-11
- Transmission speed (Max.) 33.6 Kbps (V.34, 12)
- Communication mode Synchronous (V.80)

BROWSER

- TV Display Proprietary flicker reduction and font anti-aliasing
- Image Display JPEG, GIF (87), animated GIF (89a), XBM WAV, AIFF, AU files
- Audio Playback ISP independent, 4 levels, 15 different criteria
- Parental Control
- E-mail Client POP3 e-mail receive protocol, SMTP send protocol, address book, 2.0 plus 3.0 extensions (tables, forms, in-line images, text and image alignment)
- HTML Magnifying glass
- Interface Pop-up compass
- On-screen keyboard
- On-screen progress bar

PACKAGE CONTENTS

- ViaTV Modular VideoPhone
- Audio/video cable (6')
- Two modular phone cables (12' and 25')
- Videophone and Browser User's Guide
- Quick Start Card

OPTIONS

- International travel kit
- Modular Video Camera
- Modular IR Keyboard

ELECTRICAL

- Operating voltage 12 VDC
- Power consumption (Max.) 12 watts
- Operating voltage (AC Adapter) 110 VAC
- Operating freq. (AC Adapter) 60 Hz

ENVIRONMENTAL

- Temperature
 - Operating 32 to 92°F (0 to 33.5°C)
 - Storage -100 to 160°F (-40 to 70°C)

Humidity

- Operating 15% - 80%
- Storage 10% to 90%

Regulatory

- FCC Part 15, Class B compliant
- FCC Part 68 compliant

DIMENSIONS

- Height, Width, Depth 1.63 x 9.50 x 4.85 (4.17 x 24.32 x 12.4)
- Weight 2.5 lbs. (1.1 kg)



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